



VEGETATED

SOPRANATURE

SEMI-INTENSIVE SYSTEM

ROOFS

SEMI-INTENSIVE BUILT-IN-PLACE SYSTEM



SOPRANATURE™ vegetated roof systems provide a variety of benefits from enhancing building performance and increasing asset value to improving the environment. SOPREMA® offers both modular and built-in-place systems for extensive, semi-intensive and intensive profiles. SOPRANATURE systems are compatible with SOPREMA roofing and waterproofing systems including SBS-modified bitumen membrane systems, ALSAN® RS PMMA/PMA liquid membrane systems, SENTINEL® PVC systems and COLPHENE® H hot rubberized asphalt built-up systems.

Semi-intensive systems allow for increased plant diversity including perennials and grasses. Depending on the climate and plant type these systems may require irrigation, but provide increased stormwater management capabilities. Soil depths for semi-intensive systems can range from 7 to 10 inches of regionally specific growing media.

BENEFITS

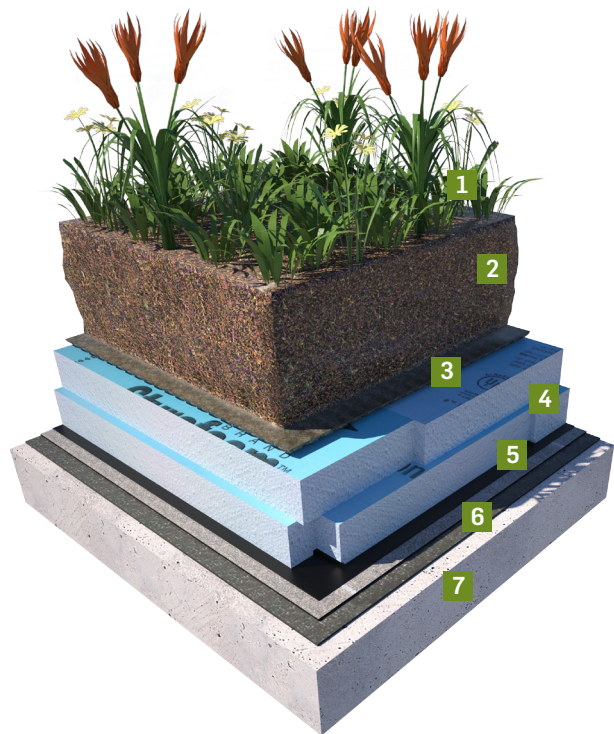
- Plant diversity
- Increased aesthetics
- Additional stormwater management capacity
- Combats Urban Heat Island Effect



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SEMI-INTENSIVE BUILT-IN-PLACE SYSTEM



1 VEGETATION LAYER

2 SOPRANATURE SEMI-INTENSIVE MEDIA

A specially blended soil engineered to sustain long-term plant growth in a lightweight, shallow profile, and capture a significant amount of rainfall while allowing excess water to drain freely.

3 SOPRANATURE ECOVENT 2

A rugged yet flexible drainage core of fused, entangled filaments bonded on both sides to geotextiles which keep soil particles out of the drainage layer, protect the layers below, and can be specified to retain additional water.

4 EXTRUDED POLYSTYRENE INSULATION

A closed-cell rigid board insulation with high compressive strength for long term thermal performance.

5 SOPRANATURE ROOT BARRIER

Linear low-density polyethylene (LLDPE) sheet providing redundant protection to the waterproofing membrane from any roots or soil particles which get through the drainage and insulation layers.

6 SOPREMA WATERPROOFING MEMBRANES

7 STRUCTURAL DECK

If you have any questions about this product or its installation, please contact your SOPREMA representative.



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